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RFB4 VH sequence

```
E V Q L V E S G G G L V K P G G S L K L S C A A S G F A F S  
  I Y D M S   W V R Q T P E K R L E W V A   Y I S S G G G T  
T Y Y P D T V K G   R F T I S R D N A K N T L Y L Q M S S L  
K S E D T A M Y Y C A R   H S G Y G S S Y G V L F A Y   W G  
Q G T L V T V S A
```

FIG.1A

RFB4 VL sequence

```
D I Q M T Q T T S S L S A S L G D R V T I S C   R A S Q D I  
S N Y L N   W Y Q Q K P D G T V K L L I Y   Y T S I L H S  
G V P S R F S G S G S G T D Y S L T I S N L E Q E D F A T Y  
F C   Q Q G N T L P W T   F G G G T K L E I K
```

FIG.1B

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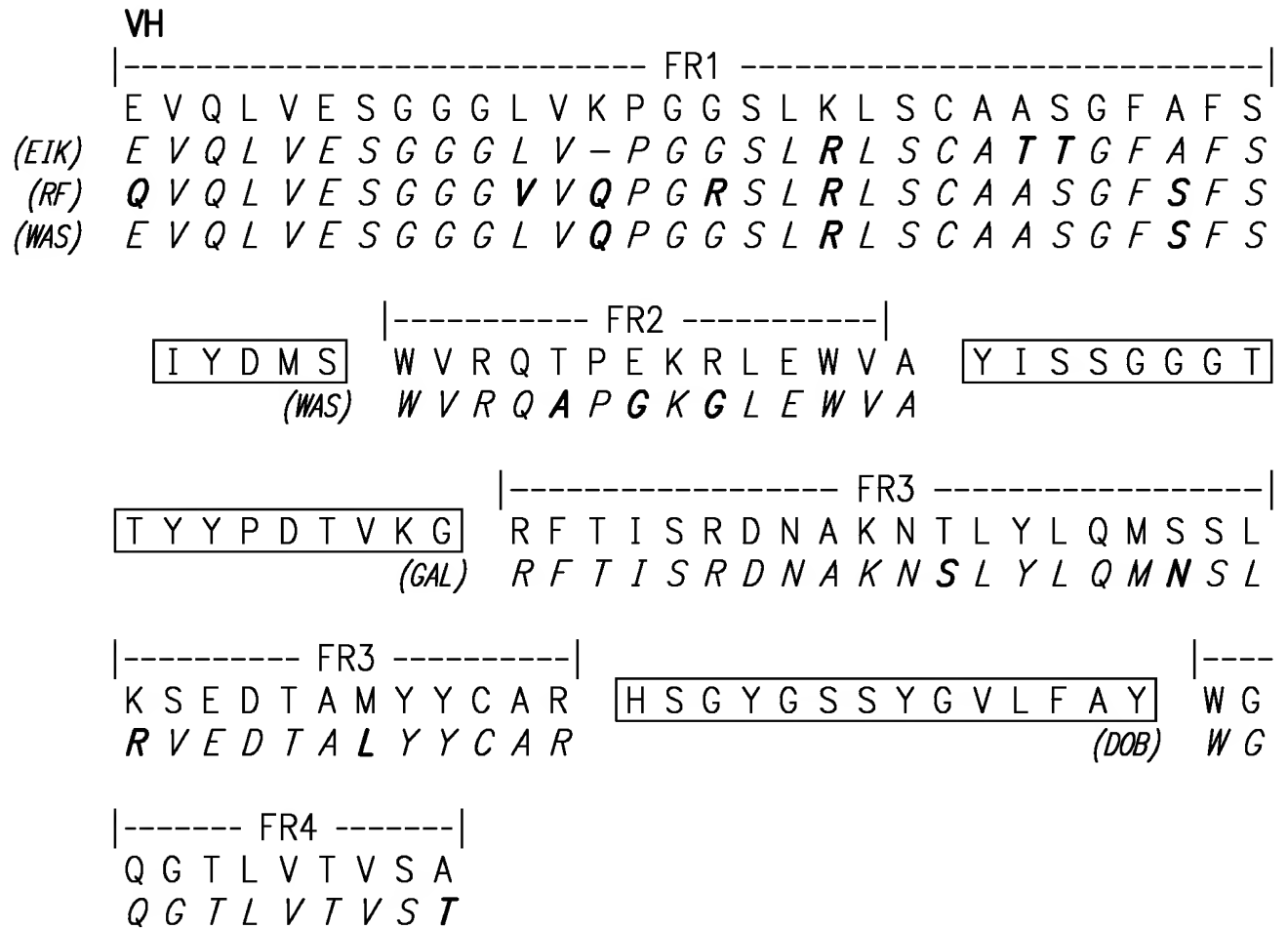


FIG.2A

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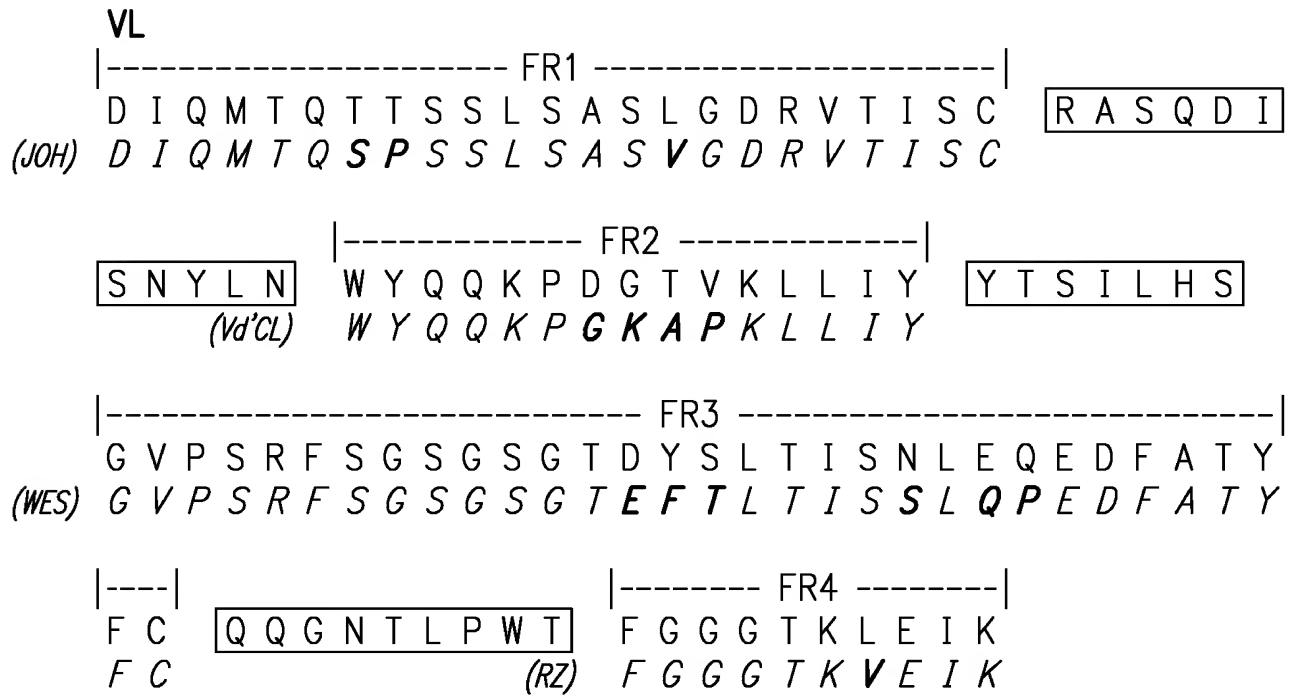


FIG.2B

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VH

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | V | Q | L | V | E | S | G | G | G | L | V | Q | P | G | G | S | L | R | L | S | C | A | A | S | G | F | S | F | S |
| I | Y | D | M | S | | W | V | R | Q | A | P | G | K | G | L | E | W | V | A | | Y | I | S | S | G | G | G | T | |
| T | Y | Y | P | D | T | V | K | G | | R | F | T | I | S | R | D | N | A | K | N | S | L | Y | L | Q | M | N | S | L |
| R | V | E | D | T | A | L | Y | Y | C | A | R | | H | S | G | Y | G | S | S | Y | G | V | L | F | A | Y | | W | G |
| Q | G | T | L | V | T | V | S | S | | | | | | | | | | | | | | | | | | | | | |

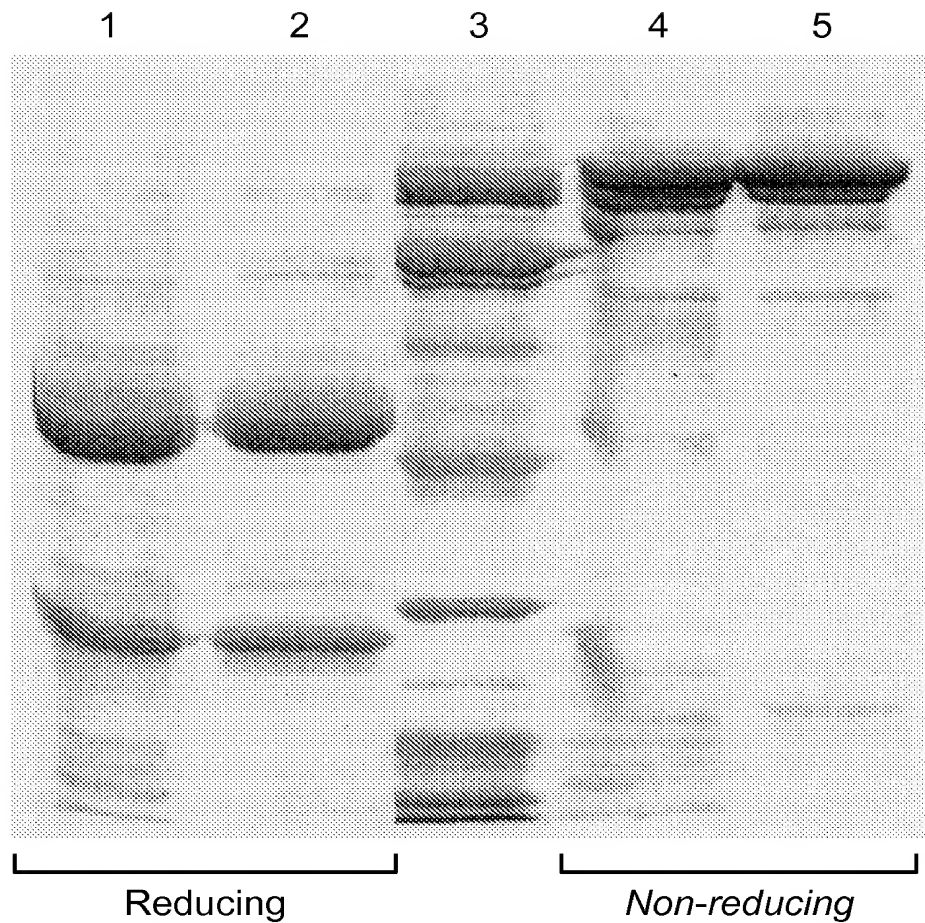
FIG.3A

VL

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | I | Q | M | T | Q | S | P | S | S | L | S | A | S | V | G | D | R | V | T | I | S | C | | R | A | S | Q | D | I |
| S | N | Y | L | N | | W | Y | Q | Q | K | P | G | K | A | P | K | L | L | I | Y | | Y | T | S | I | L | H | S | |
| G | V | P | S | R | F | S | G | S | G | S | G | T | E | F | T | L | T | I | S | S | L | Q | P | E | D | F | A | T | Y |
| F | C | | | | | Q | Q | G | N | T | L | P | W | T | | F | G | G | G | T | K | V | E | I | K | | | | |

FIG.3B

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1. cRFB4 (reducing)
2. hpRFB4 (reducing)
3. Size Marker
4. cRFB4 (non-reducing)
5. hpRFB4 (non-reducing)

FIG.4

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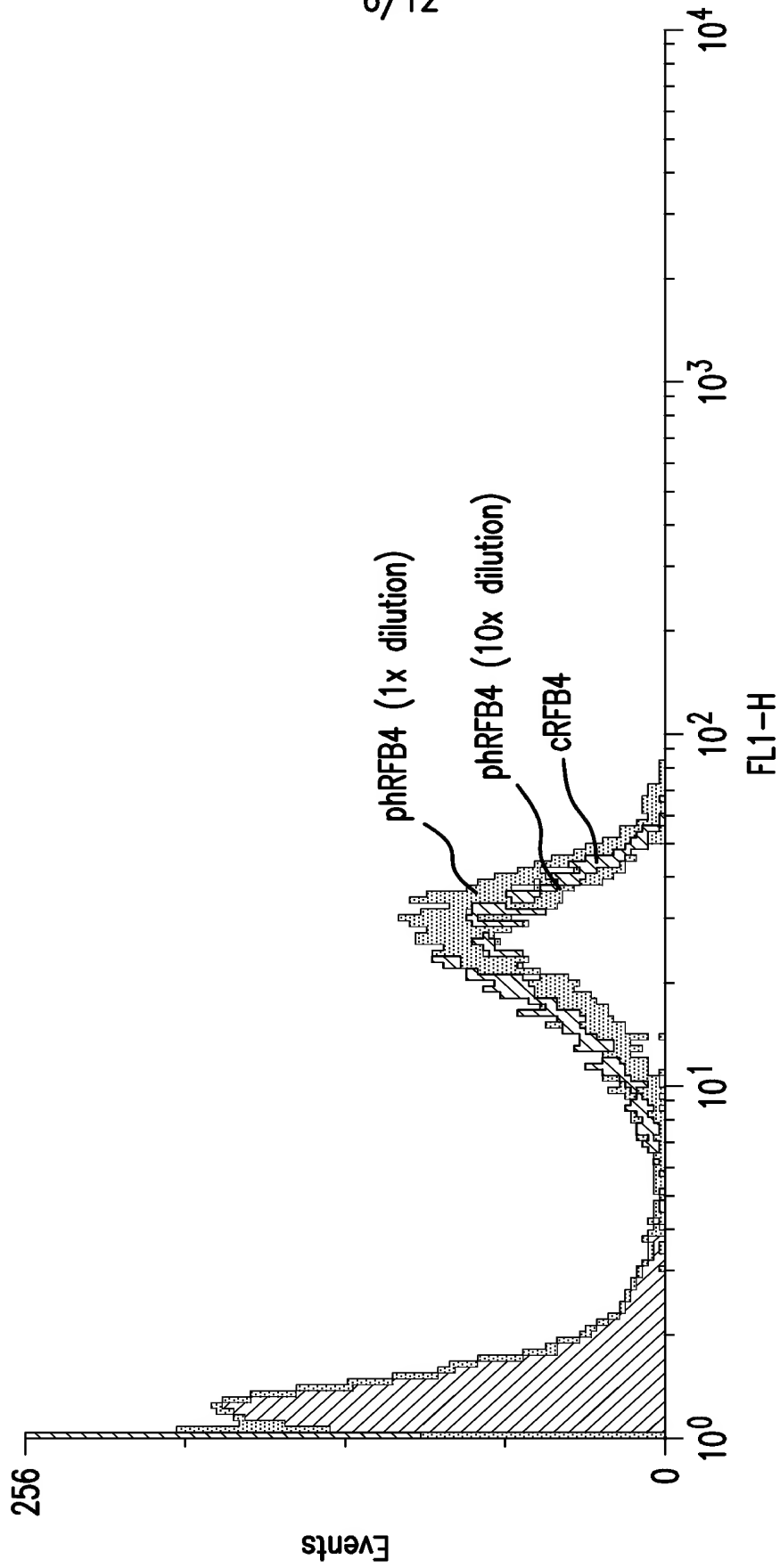


FIG. 5

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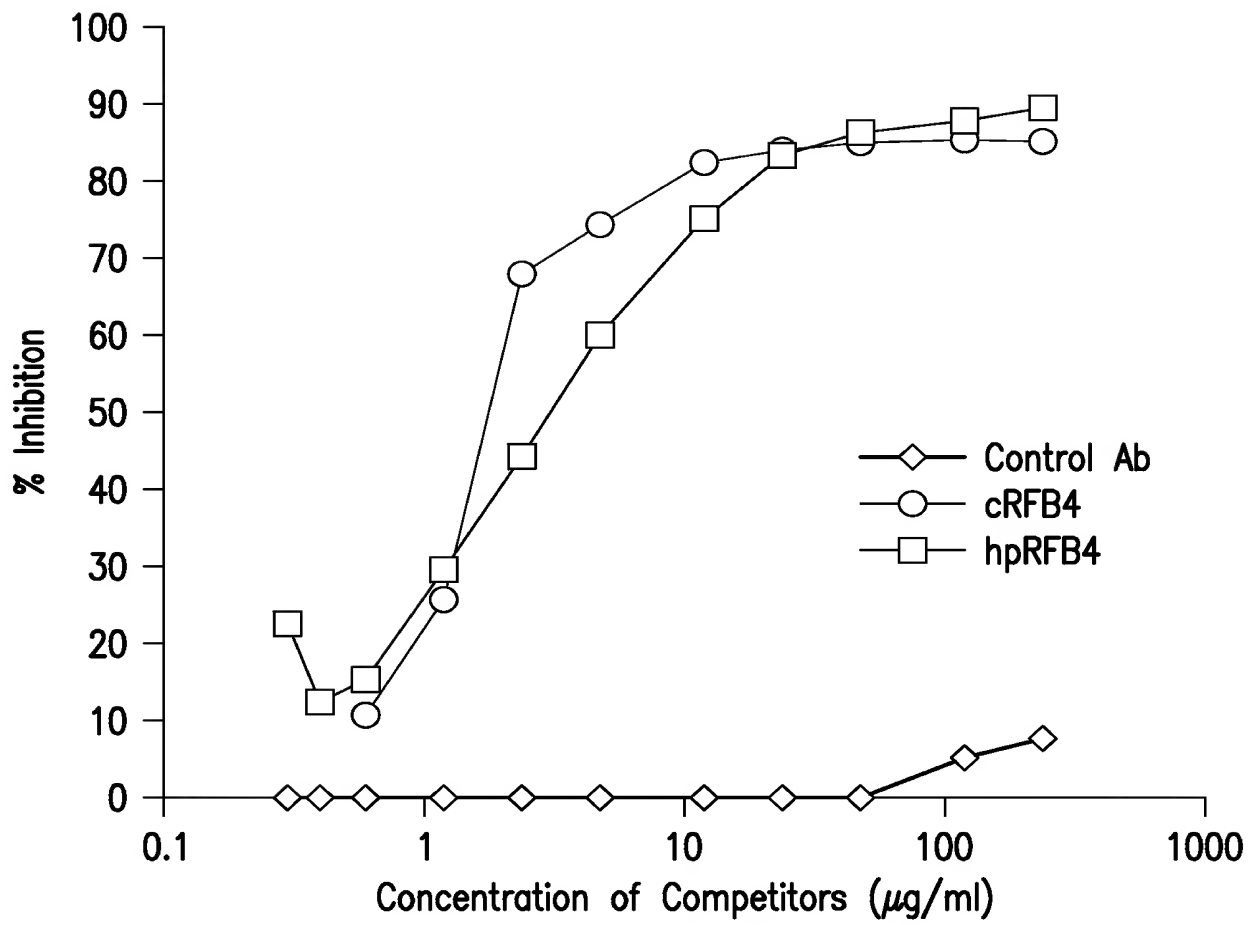


FIG.6

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VH

Q V Q L R Q P G A E L V K P G A S V K M S C K A S G Y T F T
S Y N M H W V K Q T P G Q G L E W I G A I Y P G N G D
T S Y N Q K F K G K A T L T A D K S S S T A Y M Q L S S L
T S E D S A V Y Y C A R S H Y G S N Y V D Y F D Y W G Q
G T T L T V S S D

FIG.7A

VL

Q I V L S Q S P A I L S A S P G E K V T M T C R A S S S L
S F M H W Y Q Q K P G S S P K P W I Y A T S N L A S G
V P A R F S G S G S G T S Y S L T I S R V E A E D A A T Y F
C H Q W S S N P L T F G A G T K L E L K R

FIG.7B

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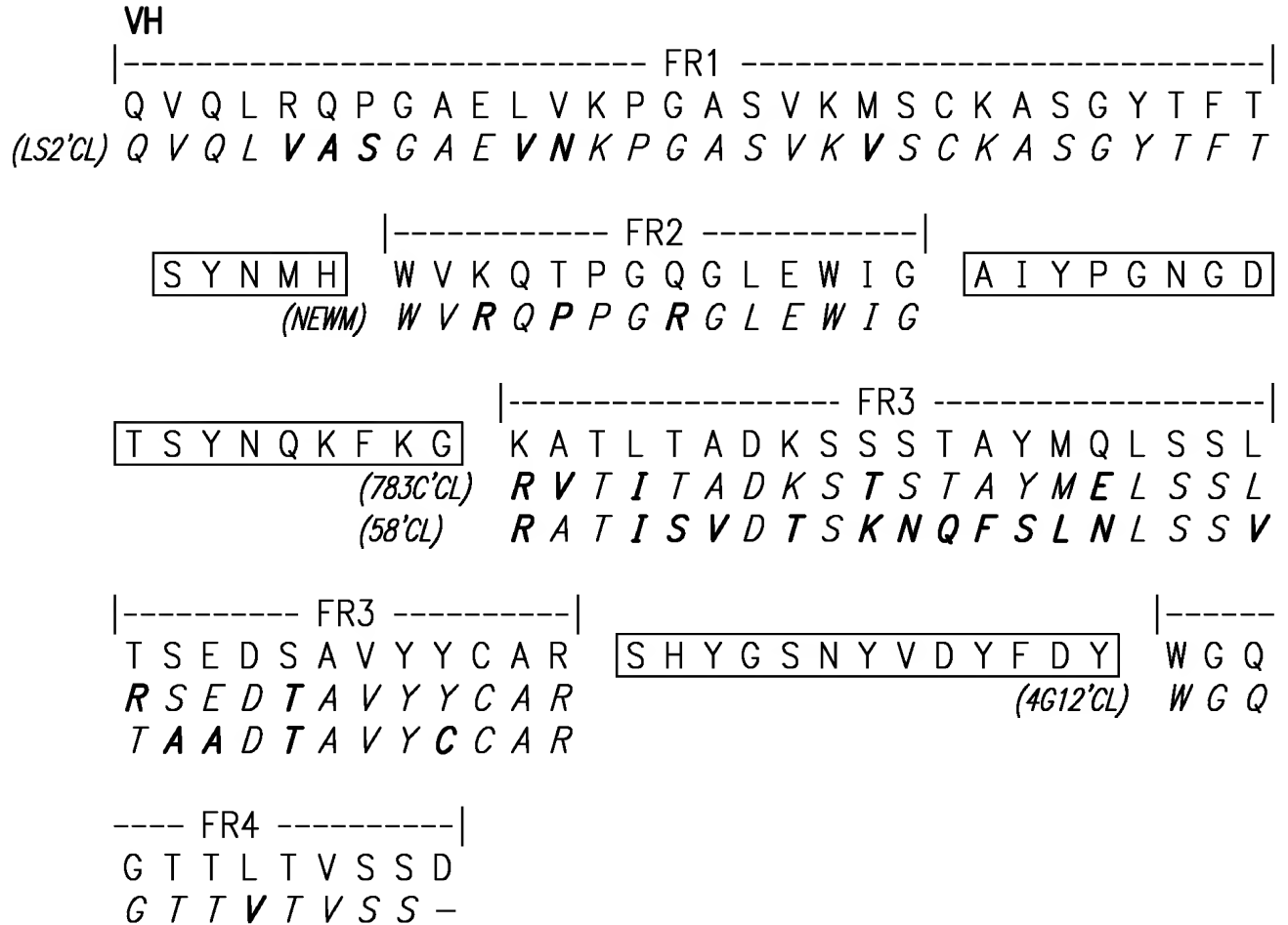


FIG.8A

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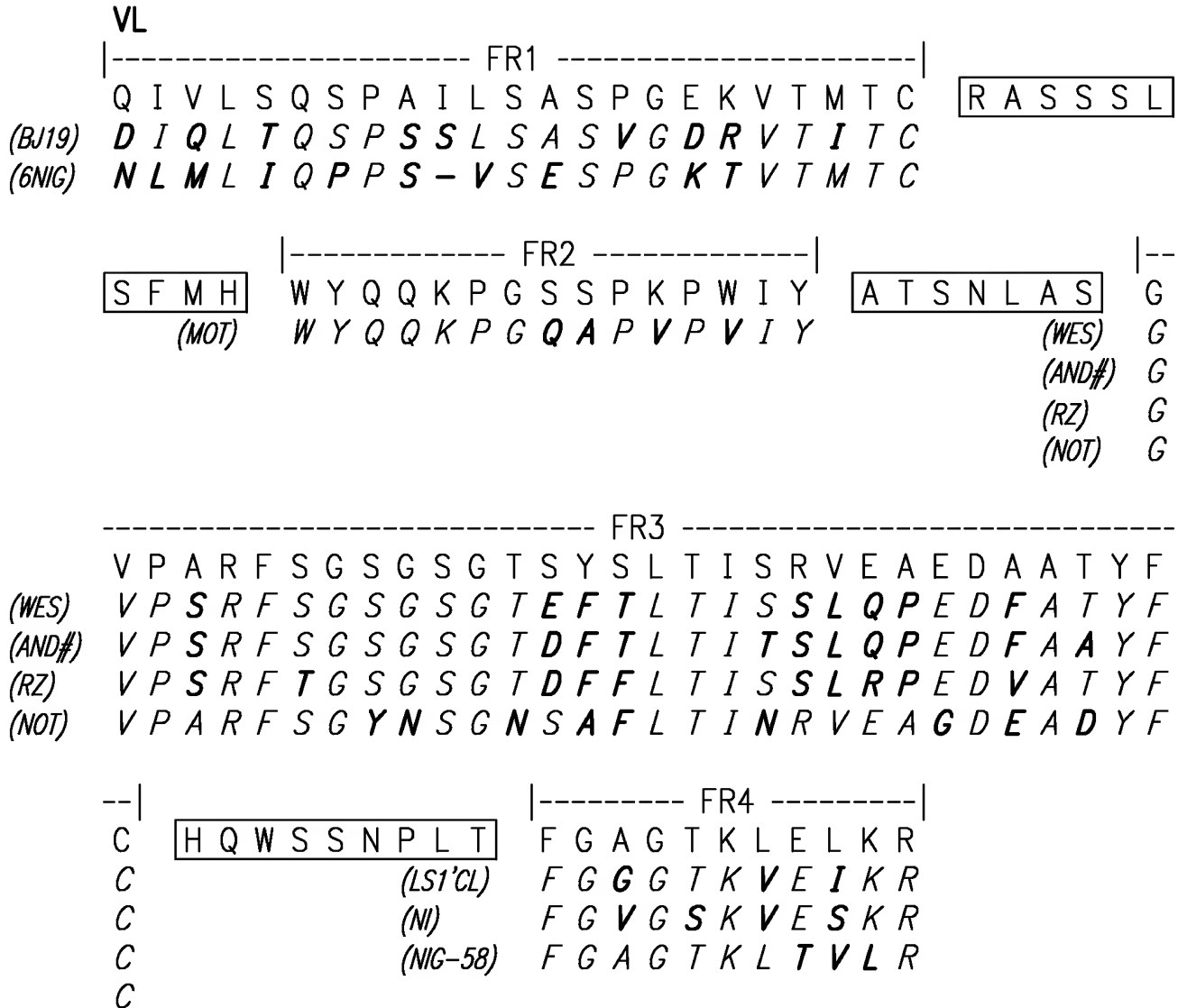


FIG.8B

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VH

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | V | Q | L | V | A | S | G | A | E | V | N | K | P | G | A | S | V | K | V | S | C | K | A | S | G | Y | T | F | T |
| | S | Y | N | M | H | | W | V | R | Q | P | P | G | R | G | L | E | W | I | G | | A | I | Y | P | G | N | G | D |
| T | S | Y | N | Q | K | F | K | G | | K | A | T | L | T | A | D | K | S | S | S | T | A | Y | M | Q | L | S | S | L |
| T | S | E | D | S | A | V | Y | Y | C | A | R | | S | H | Y | G | S | N | Y | V | D | Y | F | D | Y | | W | G | Q |
| G | T | T | V | T | V | S | S | - | | | | | | | | | | | | | | | | | | | | | |

FIG.9A

VL

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | I | Q | L | T | Q | S | P | S | S | L | S | A | S | V | G | D | R | V | T | I | T | C | | R | A | S | S | S | L |
| S | F | M | H | | W | Y | Q | Q | K | P | G | S | S | P | K | P | W | I | Y | | A | T | S | N | L | A | S | | G |
| V | P | S | R | F | S | G | S | G | S | G | T | E | F | T | L | T | I | S | S | L | Q | P | E | D | F | A | T | Y | F |
| C | | H | Q | W | S | S | N | P | L | T | | F | G | A | G | T | K | L | T | V | L | R | | | | | | | |

FIG.9B

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VH

Q V Q L V A S G A E V N K P G A S V K V S C K A S G Y T F T
S Y N M H W V R Q P P G R G L E W I G A I Y P G N G D
T S Y N Q K F K G R V T I T A D K S T S T A Y M E L S S L
R S E D T A V Y Y C A R S H Y G S N Y V D Y F D Y W G Q
G T T V T V S S -

FIG. 10A

VL

D I Q L T Q S P S S L S A S V G D R V T I T C R A S S S L
S F M H W Y Q Q K P G Q A P V P V I Y A T S N L A S G
V P S R F S G S G S G T E F T L T I S S L Q P E D F A T Y F
C H Q W S S N P L T F G A G T K L T V L R

FIG. 10B